

59.00 EUR

incl. 19% VAT, plus [shipping](#)

- Norvi X Series !
- 8x Relay Output !
- Extension !



**Support:** [Specifications](#)

- 8 x Electromechanical relay outputs (COM / NO)
- Controlled via PCA9538 I<sup>2</sup>C I/O expander
- Industrial relay with high endurance
- Suitable for AC and DC load switching
- Compact DIN-rail compatible expansion module
- Designed for NORVI X modular architecture

The NORVI X-R8 is a 8-channel relay output expansion module designed for the NORVI X modular controller platform. It provides electrically isolated relay outputs suitable for industrial control, automation, and power switching applications.

Relay outputs are controlled via an I<sup>2</sup>C I/O expander (PCA9538), allowing reliable expansion with minimal MCU I/O usage.

|                      |   |
|----------------------|---|
| Range of product     | NORVI X   |
| Product type / Model | Expansion Module f. NORVI X Series<br>NORVI X-R8  |
| Certifications       | EN 61131-2:2007<br>EN 61010-1:2010+A1:2019<br>EN IEC 61010-2-201:2018<br>2014/30/EU- Electromagnetic Compatibility (EMC)<br>Annex III, Part B, Module C |
| Dimensions           | 81 x 104 x 23 mm  |

|                            |  |
|----------------------------|--|
| Mounting                   | DIN RAIL   |
| Terminal Type              | Push-in terminal   |
| Envirement                 | <b>IP20</b><br>Operating altitude: 0-2000 meters<br>Operating Temperature: -10 ... - +85°C<br>Shock resistance: 15 gn for 11ms<br>Resistance to electrostatic discharge: 4kV on contact / 8kV on air |
| Supply Voltage (V)         | 24V / 80mA   |
| <b>I/O Specification</b>   |  |
| Number of Outputs          | 8x SPST Relays Outputs   |
| Output Type                | Single Pole Normally Open Relay  |
| Insulation System          | Class F<br>IEC 61810 Standard  |
| Rated Switching Voltage    | 250 VAC / 30 VDC   |
| Maximum Switching Voltage  | 277 VAC / 5 A  |
| Breaking Capacity (Max)    | 1250 VA (AC)   750 W (DC)  |
| Contact Material           | AgNi, gold-plated  |
| Initial Contact Resistance | ≤ 30 mΩ (5 VDC, 100 mA)  |
| Mechanical Endurance       | 10 × 10 <sup>6</sup> operations  |
| Power Supply               | 24 V DC (shared with CPU via expansion port)   |
| Communication              | Direct GPIO / Internal Expansion Bus<br>Push-in Terminal Block   |